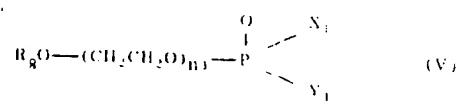

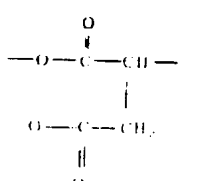


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| <p>88-116706/17 E19 G04 LION CORP 05.09.86-JP-208969-(22.03.88) C11d-01/72 C11d-07/50 Emulsifier compsn. for dry-cleaning solvent - comprises polyoxyethylene nonionic activator and e.g. carboxylic acid cpd. for highly stable water emulsion C88-052625</p> | <p>E(5-B, 5-G9D, 10-A9B7, 10-A9Bt, 10-C4C, 10-C4L, 10-E4K, 10-E4M3) G(4-88)</p> |
| <p>A new emulsifier compsn. for dry-cleaning solvents contains (A) 5-70 wt. % of a nonionic activator of formula (I) and (B) one or more cpds. of formulae (II) to (V) with a (B)/(A) ratio of 0.05-0.7.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="267 346 649 420"> $R_1-O-(CH_2CH(R_2)CHO)_{n_1}-H \quad (I)$ </div> <div data-bbox="267 430 649 504"> $R_3-COO-(CH_2CH(R_4)CHO)_{n_2}-H \quad (II)$ </div> <div data-bbox="267 514 649 567"> $R_5-COOM_1 \quad (III)$ </div> <div data-bbox="535 504 779 598"> $\begin{array}{c} R_6 \\ \diagup \\ X-SO_3M_2 \\ \diagdown \\ R_7 \end{array} \quad (IV)$ </div> </div> <div style="text-align: center; margin-top: 20px;">  <p>(V)</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="893 294 990 399">  <p>(VI)</p> </div> <div data-bbox="1136 325 1347 525">  <p>(VII)</p> </div> </div> <p>$R_1 = 8-20C$ alkyl or alkenyl gp. or ($8-20C$ alkyl gp.)-substd. phenyl gp.; $n_1 = 2-20$;</p> | <p style="text-align: right;">J63063799-A</p> |

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| <p>$R_2 = H$ or CH_3; $R_3 = 8-20C$ alkyl or alkenyl gp. or $8-20C$ alkyl or alkenyl gp. or ($8-20C$ alkyl gp.)-substd. phenyl gp.; $n_2 = 2-20$ $R_4 = H$ or CH_3; $R_5 = 8-20C$ alkyl or alkenyl or ($8-20C$ alkyl)-substd. phenyl; $M_1 = Ca, Al$ or Mg. $X = (i)$ or (ii). $R_6, R_7 = H$ or $8-22C$ alkyl or alkenyl (they may be same of different but they are not both H) $M_2 = alkali(ne\ earth)$ metal, $R_8 = 8-20C$ alkyl or alkenyl, $n_3 = 0-10$; $X_1, Y = OM_3$ or $-(OCH_2CH_2)_{n_3}-OR_8$ and $M_3 = H$ or alkali(ne earth) metal.</p> <p>USE/ADVANTAGE The compsn. gives a highly stable water-solvent emulsion. It prevents resoiling and gives good flexibility to wool, cotton, flex, etc. (6ppDwgNo0/0).</p> | <p style="text-align: right;">J63063799-A</p> |
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